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Subject: FW: Portland Harbor random stratified sediment sampling depths

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Sean and Davis,

As described in the daily report, during our oversight on 4/11/2018 we learned there was an inaccuracy with the measurement of the power grab penetration depth for some samples collected prior to 4/10/2018. The AECOM/Geosyntec representative on the Tieton informed Julee that on the morning of 4/10/2018 they realized that they had been using an incorrect power grab bucket height of 30 cm to measure penetration depths when the actual power grab bucket height was 34 cm. The issue is that for some of the sediment samples collected prior to the morning of the 4/10/2018 the recorded penetration depths may have been underestimated by 4 cm. It is not clear how many of the samples were underestimated because we have only done oversight on some of the sampling days onboard the Tieton and Cayuse. We wanted to bring this to your attention and recommend that EPA request information from the Pre-RD group on how the power grab penetration depths for stratified random samples collected on the Tieton or Cayuse prior to 4/10/2018 will be adjusted given this issue. I drafted some text below for your use in this information request:

It has come to EPA's attention that sediment samples collected prior to 4/10/2018 on Gravity's research vessels may have recorded overestimated power grab penetration depth. On 4/11/2018 the AECOM/Geosyntec representative informed our oversight inspector that prior to 4/10/2018 the sampling crew had been using the incorrect power grab bucket height (using 30 cm instead of the actual 34 cm bucket height) to measure penetration depths for some of the samples. EPA requests information on how the actual power grab penetration depths will be adjusted for samples collected prior to 4/10/2018. Per our earlier request for a list of completed sediment sample location and depth information please provide any corrections to the grab sample penetration depths.

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